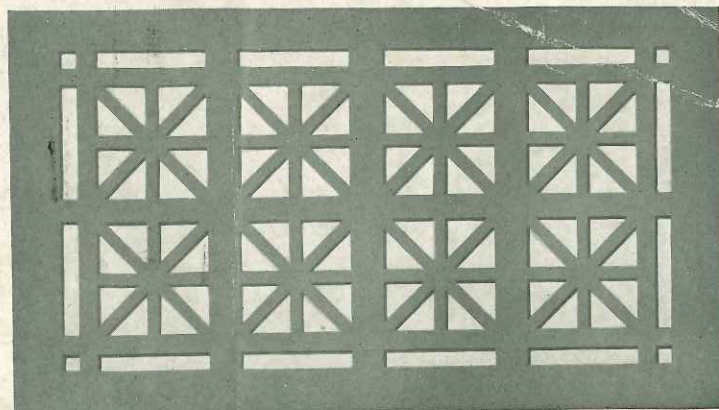


Class 13
No. 113

PATENT OFFICE
★ APR 27 1928 ★
DIV. 85

DESIGNS of PERFORATED METAL



DESIGN NL

LIBRARY
APR 2 1928
U. S. PATENT OFFICE

PATENT OFFICE
★ MAR 8 1929 ★
DIV.

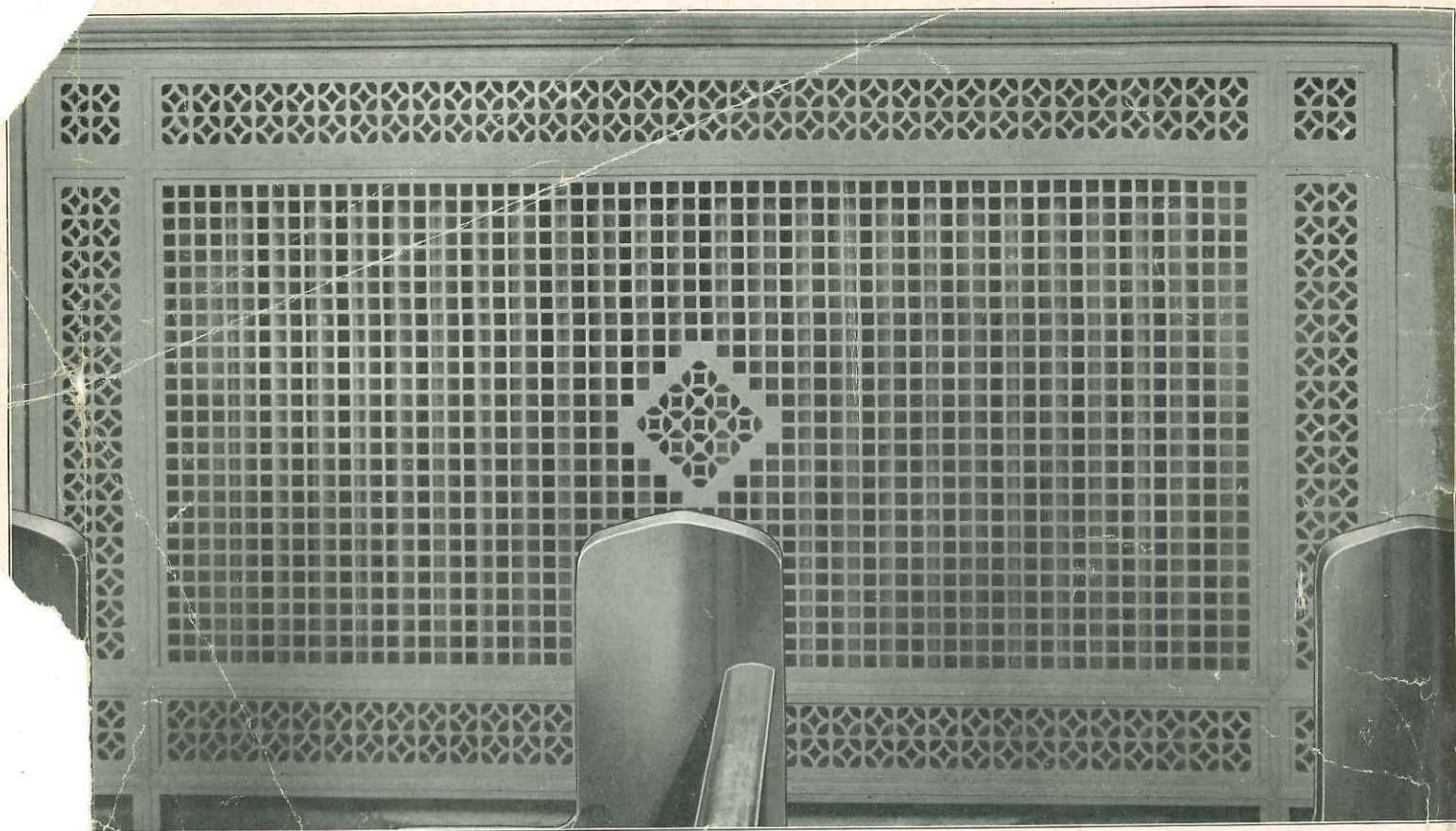
THE HARRINGTON & KING PERFORATING CO.

OFFICE AND FACTORY: 5655 FILLMORE ST.
CHICAGO

EASTERN SALES OFFICE: 114 LIBERTY ST.
NEW YORK

© 1925

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THE HARRINGTON & KING PERFORATING CO.
CHICAGO



A Grille of Perforated Metal — St. Agnes Church, Detroit.



INTRODUCTION

This is the second edition of our catalog of Grilles of Perforated Metal. Since the first issue of this booklet was published our product has been definitely established with architects and builders in every part of the country and has been filling a need for artistic yet economical grilles. Proof of this is seen in the many installations which include the finest hotels, office buildings, public buildings, churches, steamships and residences.

On the opposite page we show a typical installation in a beautiful new church. On the center pages, 12 and 13, we show a few of the many rooms in the General Motors Building in Detroit, which is finished thruout with our grilles. On the last four pages there are cuts of the handsome saloons of the Leviathan, which are fitted with Harrington & King grilles of perforated metal.

Our grilles cost only a fraction as much as cast grilles, yet are handsome and rugged. This issue shows many new designs, and we hope it will better serve the many who specify and use our product, and convince others of the opportunity which is offered by grilles of perforated metal.

SPECIFICATIONS

Designs

On the following pages we show our standard designs for which we have perforating tools. Combinations of these designs can be worked out to make attractive grilles adapted to special installations. New designs can be made up from architects' drawings where some special motif is desired.

Materials

Grilles are most frequently made of steel and bronze, but they can also be made of brass, aluminum, copper or other sheet metal when wanted.








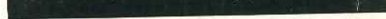
Dimensions and Shape

Our Grilles can be made to fit any size or shape of opening. There are no standard sizes, so the architect and engineer does not need to confine his design of openings to any set dimension or shape.

Thickness

The accompanying table is made up according to the United States standard gauge, and illustrates the various thickness commonly used for grilles. In determining

the proper thickness for any grille it is well to bear in mind that *Grilles of perforated metal* are *not* brittle and that a thin perforated grille has more strength than a thick, heavy, cast grille.

.037"		No. 20
.050"		No. 18
.062"		No. 16
.078"		No. 14
.109"		No. 12
.140"		No. 10
.171"		No. 8
.187"		3/16"

Special Features:

Frames; invisible doors or hand holes; screw holes, plain or countersunk; and other special features can be furnished whenever they are wanted. We are also prepared to mount register bodies on our grilles where louvers are wanted. See illustration on page 9.

Finish

Our grilles are all made of metal having smooth surfaces which are adapted to any finish. Unless otherwise specified steel grilles are shipped with a light coating of oil to prevent rusting in transit.

We are prepared to finish steel grilles with a prime coat or with any electroplate polished and lacquered, or with a japan or enamel in black, white or any tint. Bronze, brass or copper grilles can be polished and lacquered when so required.

Specifications

When sending in an inquiry or order please give us all the following information:

Quantity.

Overall dimensions (opening plus blank margins).

Unless otherwise specified we will assume that dimensions are extreme and include all blank margins.

Style of perforation (if lattice design, specify size of perforation).

Gauge of material.

Kind of metal.

Width of blank margins.

Screw holes or other special features (screw holes not furnished unless specified).

Finish.

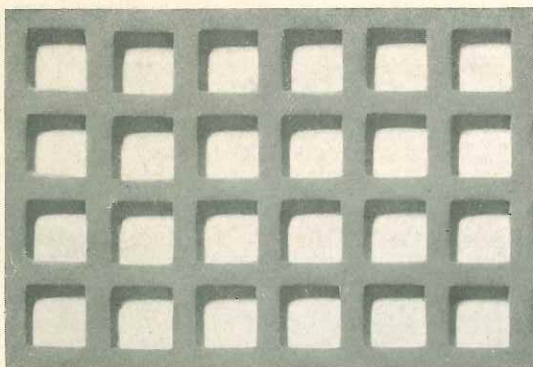
In other than lattice grilles and similar symmetrical designs, be careful to indicate which dimension is the vertical height of each grille when installed. This is important as certain designs, such as styles E, H, J, and Q, must be properly arranged.

Index of Illustrations in This Booklet

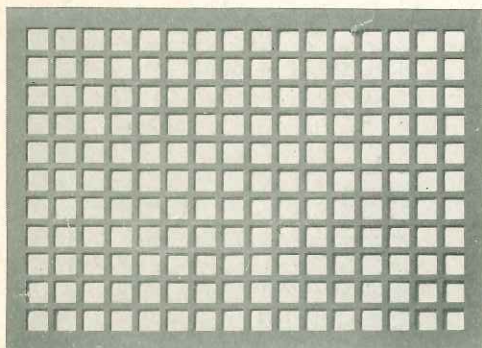
Design	Page	Design	Page
Plain Lattice.....	6, 7	KHW	10
Diagonal Lattice.....	8	KK	6
B Hexagon	10	KWK	7
E Diamond.....	11	LJ	18
F Clover-leaf.....	11	LK	16
G Round and Square	10	LT	16
H Teardrop and Round	10	M2D	15
I Clover-leaf and Round.....	11	LX	17
J Fishscale	18	MK	15
L Union Jack, Large	16	MQ	19
L2 Union Jack, Small.....	17	NL	1
M	15	No. 54.....	17
P Metal Cane	14	No. 57.....	17
Q Divided Fishscale	19	Frame	9
DD	8	Invisible Door.....	9
KD	8	Louvers	9
KG	10	Circles	9
		Odd shapes	9
		Formed to shape.....	9

Installations

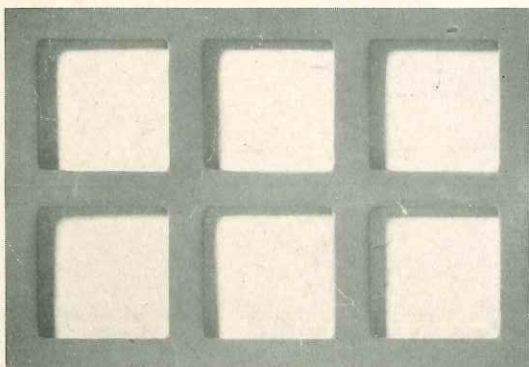
	Page
St. Agnes Church.....	2
General Motors Building.....	12, 13
S. S. Leviathan.....	20-24



Actual Size, $\frac{5}{16}$ " Holes, $\frac{1}{8}$ " Bridges. 51% open.

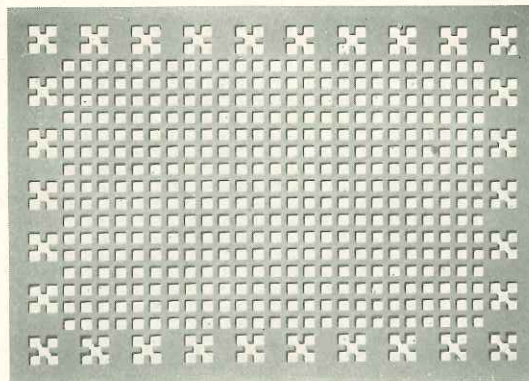


Plain Lattice. Small Holes.

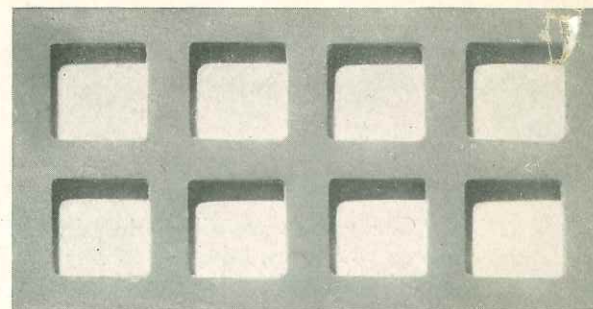


Actual Size, $\frac{11}{16}$ " Holes, $\frac{3}{16}$ " Bridges. 62% open.

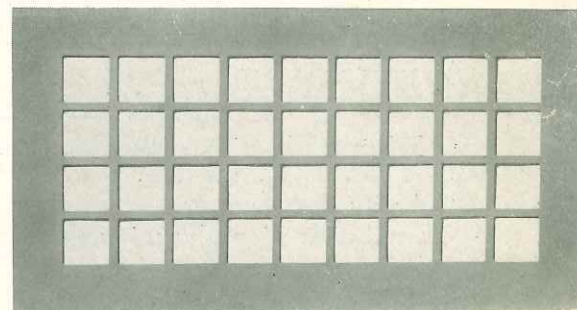
Plain Lattice Designs



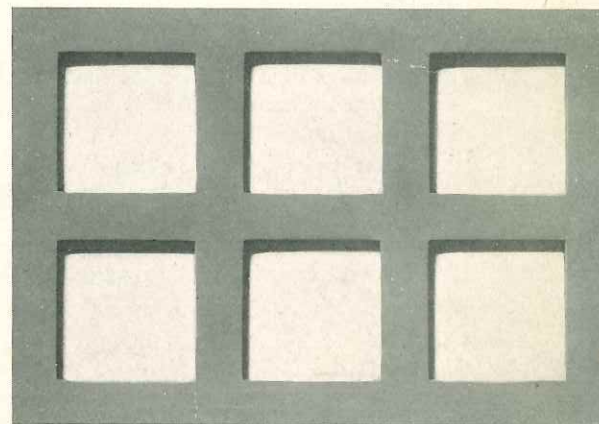
Style KK, 45% open.



Actual Size, $\frac{1}{2}$ " Holes, $\frac{1}{4}$ " Bridges. 45% open.



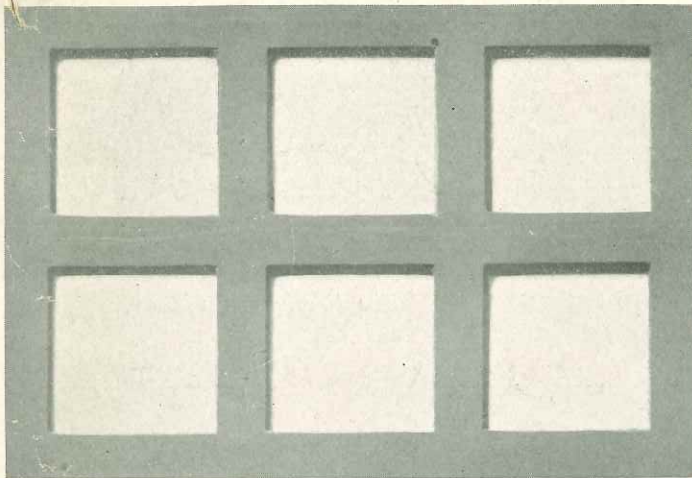
Plain Lattice. Large Holes.



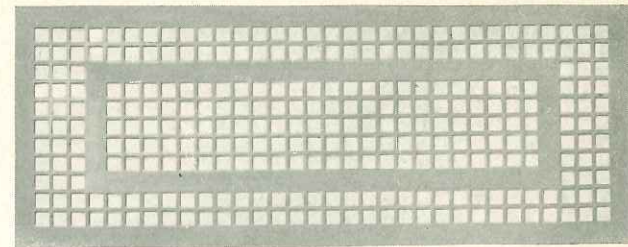
Actual Size, $\frac{3}{4}$ " Holes, $\frac{1}{4}$ " Bridges. 57% open.

Due to the great demand for $\frac{1}{2}$ ", $\frac{3}{4}$ ", and $\frac{7}{8}$ " Plain Lattice, we are prepared to quote lower prices and make quicker delivery of these sizes than any other design.

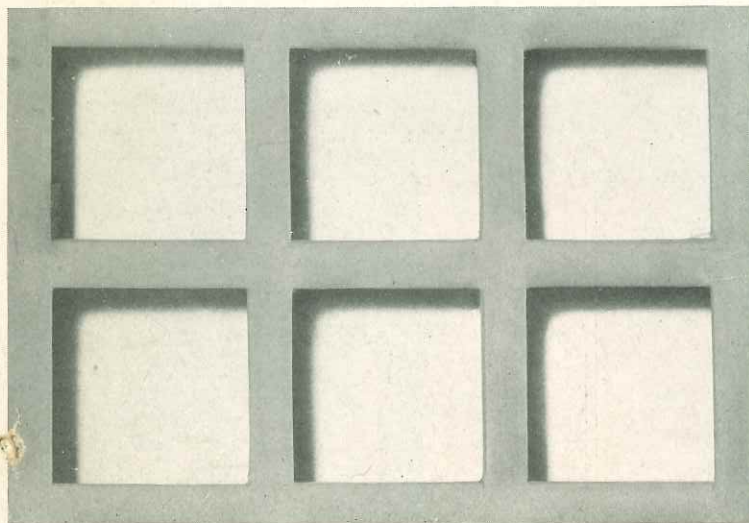
*Plain
Lattice
Designs*



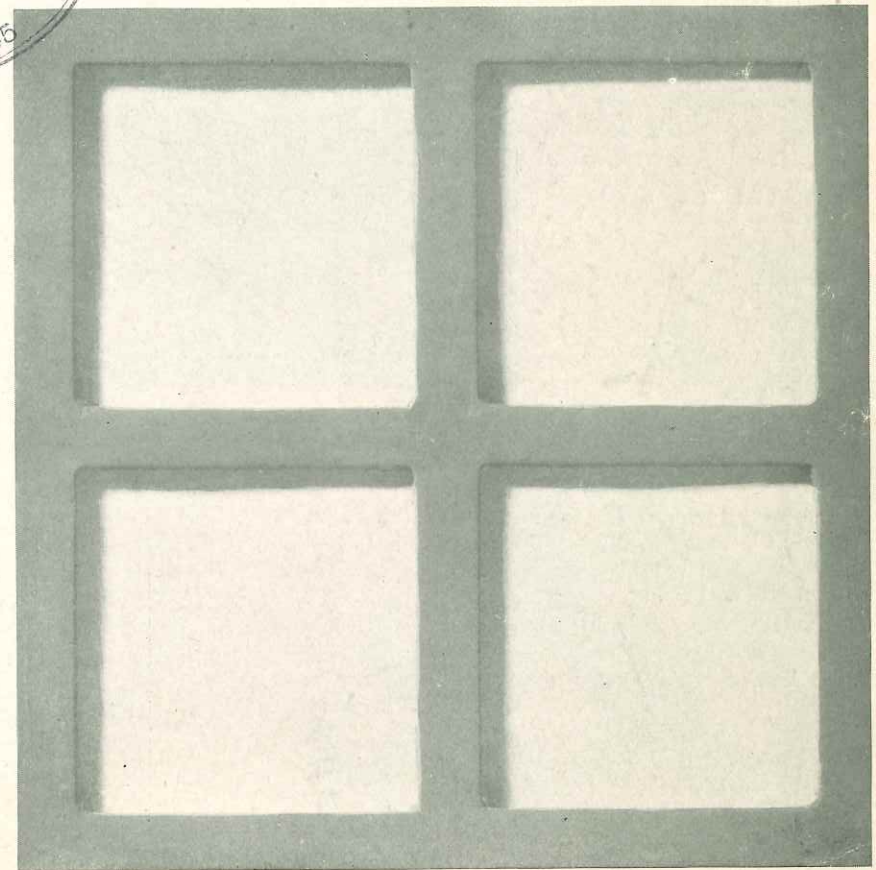
Actual Size, $\frac{7}{8}$ " Holes, $\frac{1}{4}$ " Bridges. 60% open.



Style KWK, 40% open.

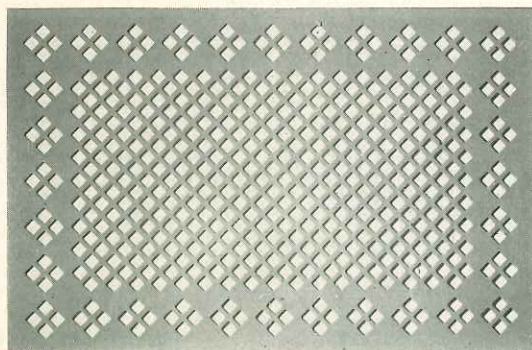


Actual Size, 1" Holes, $\frac{3}{16}$ " Bridges. 71% open.

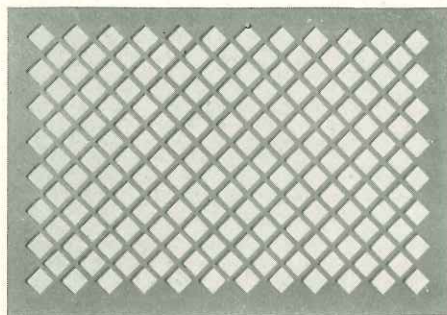


Actual Size, $1\frac{3}{4}$ " Holes, $\frac{5}{16}$ " Bridges. 72% open.

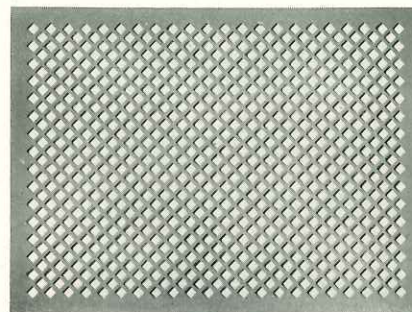
Diagonal Lattice Designs



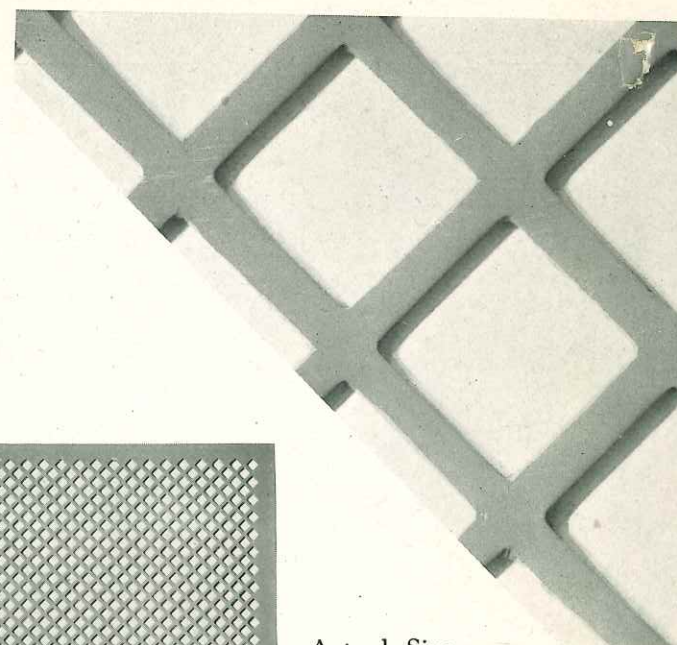
Style DD, 45% open.



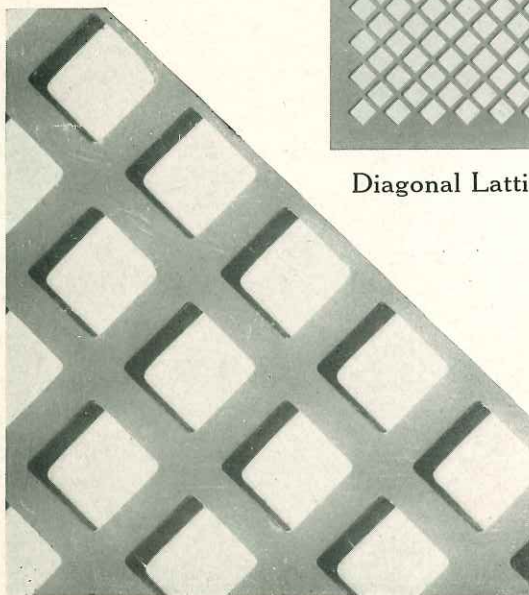
Diagonal Lattice. Large Holes.



Diagonal Lattice. Small Holes.



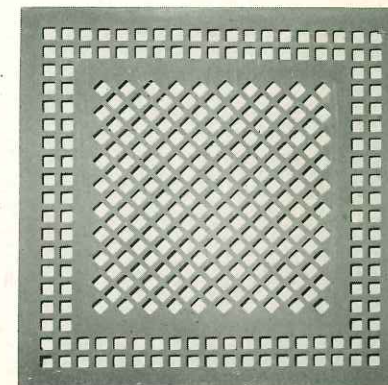
Actual Size,
1" Holes, $\frac{1}{4}$ "
Bridges. 64% open.



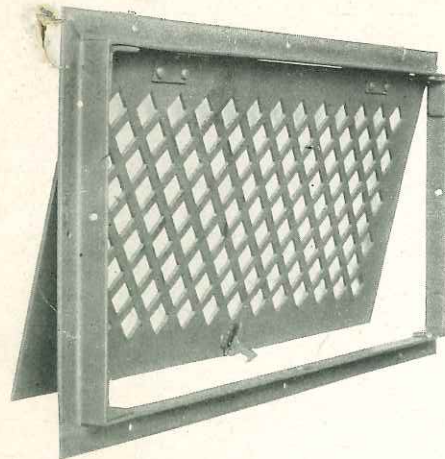
Actual Size, $\frac{1}{2}$ " Holes, $\frac{3}{16}$ " Bridges.
53% open.

Diagonal Lattice Designs

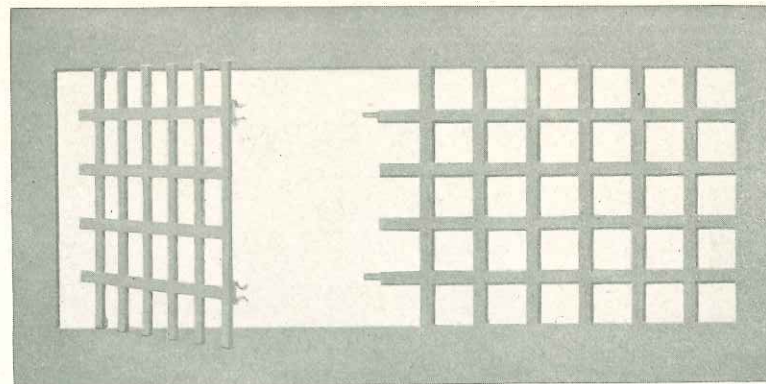
$\frac{3}{8}$ " Holes	$\frac{3}{16}$ " Bridges	45% open
$\frac{1}{2}$ " Holes	$\frac{3}{16}$ " Bridges	53% open
$\frac{11}{16}$ " Holes	$\frac{3}{16}$ " Bridges	62% open
$\frac{7}{8}$ " Holes	$\frac{1}{4}$ " Bridges	60% open
1" Holes	$\frac{1}{4}$ " Bridges	64% open



Style KD, 45% open.



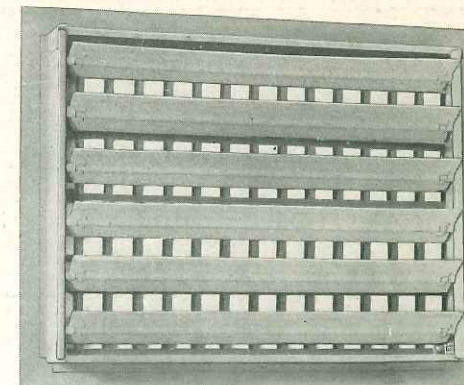
We are prepared to mount our grilles in frames of any size, shape, or design.



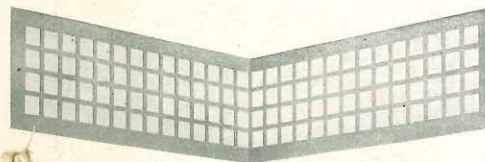
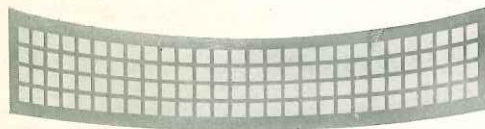
Invisible Hand Hole Door.

When open—gives access to radiator valves. When closed—the door is invisible.

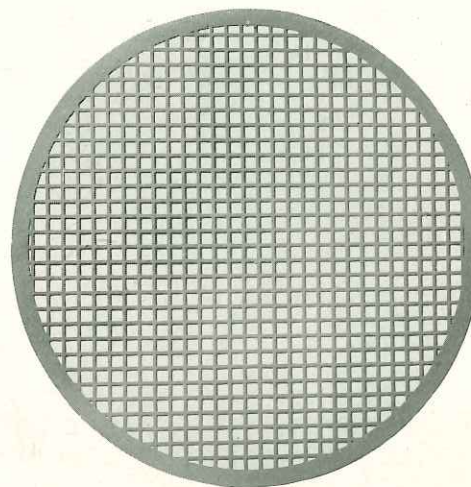
The catches and hinges on this door are very strong and rugged yet they project only a fraction of an inch back of the grille.



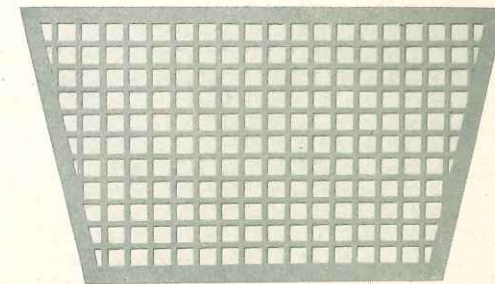
When wanted, we mount register bodies with louvers on the back of our grilles

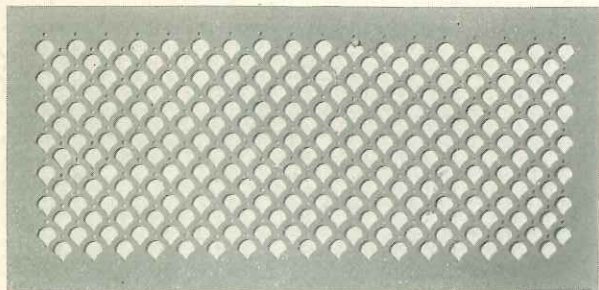


Grilles of perforated metal can be formed to fit any surface.

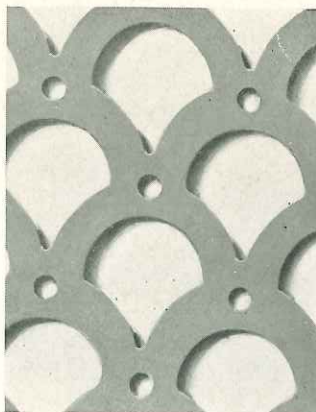


Any shape of opening can be fitted with grilles of perforated metal.

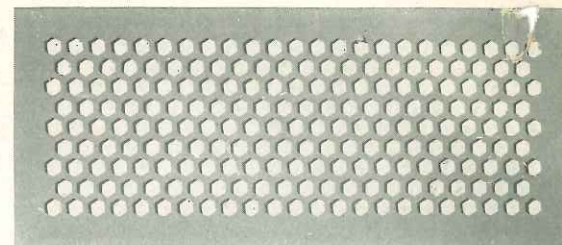




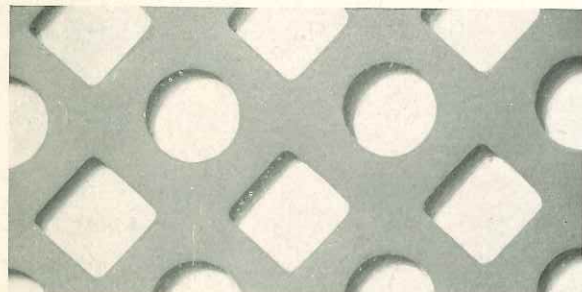
Style H, 55% open.



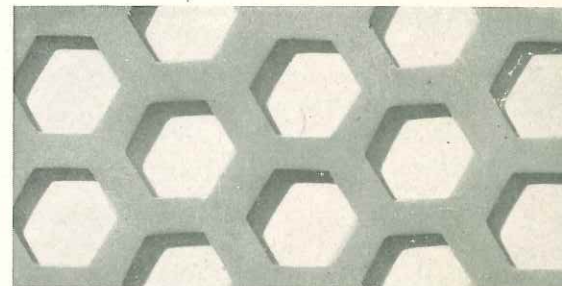
Actual Size, Style H,
55% open.
Tear Drop and Round
Design.



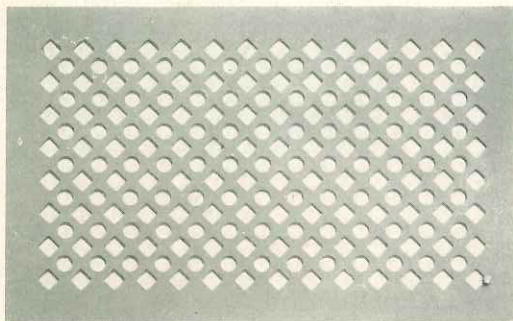
Style B, 53% open.



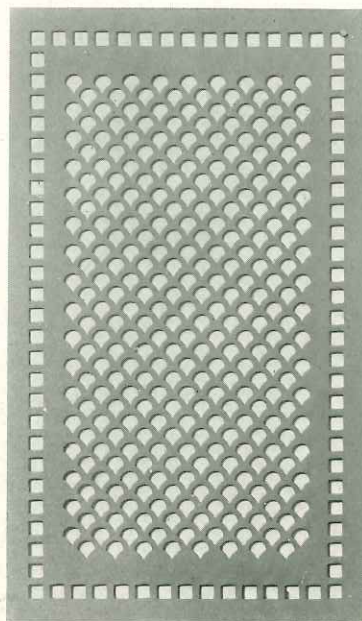
Actual Size, Style G, 43% open.
Round and Square Design.



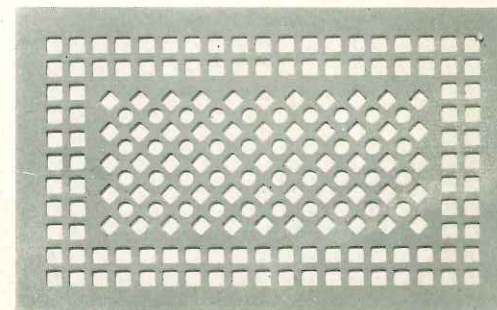
Actual Size, Style B, 53% open.
Hexagon Design.



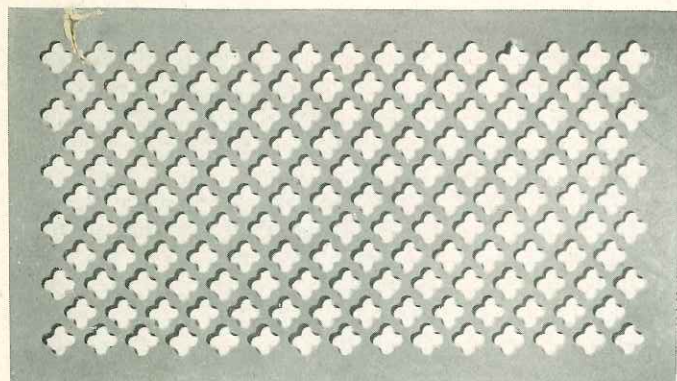
Style G, 43% open.



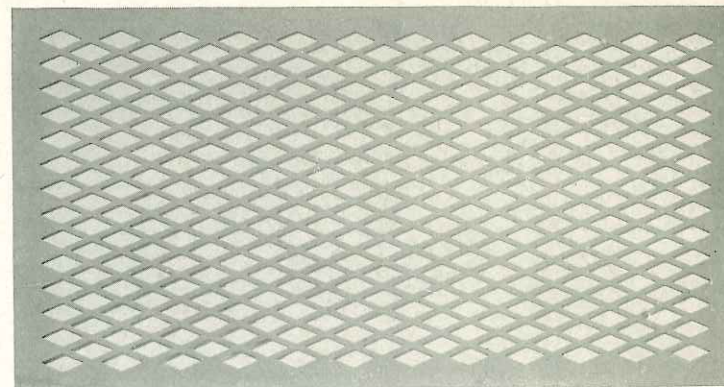
Style KHW, 52% open.



Style KG, 45% open.



Style F, 45% open.



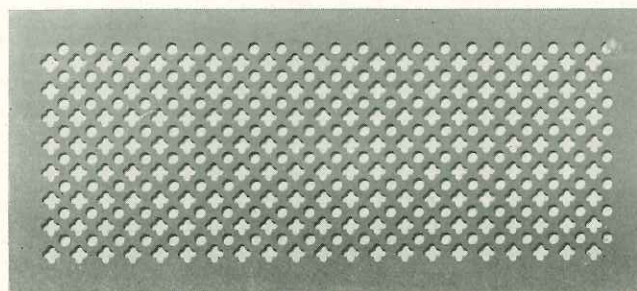
Style E, 52% open.



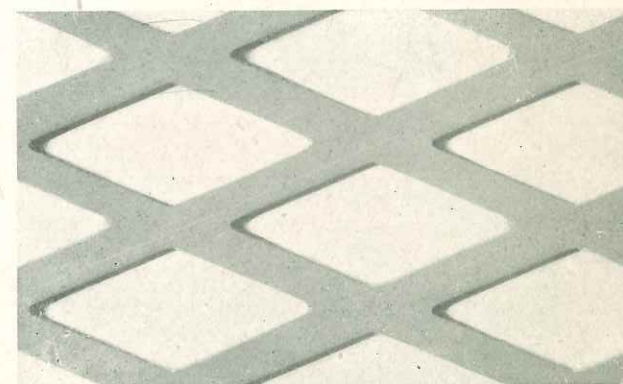
Actual Size, Style F, 45% open.
Clover Leaf Design.



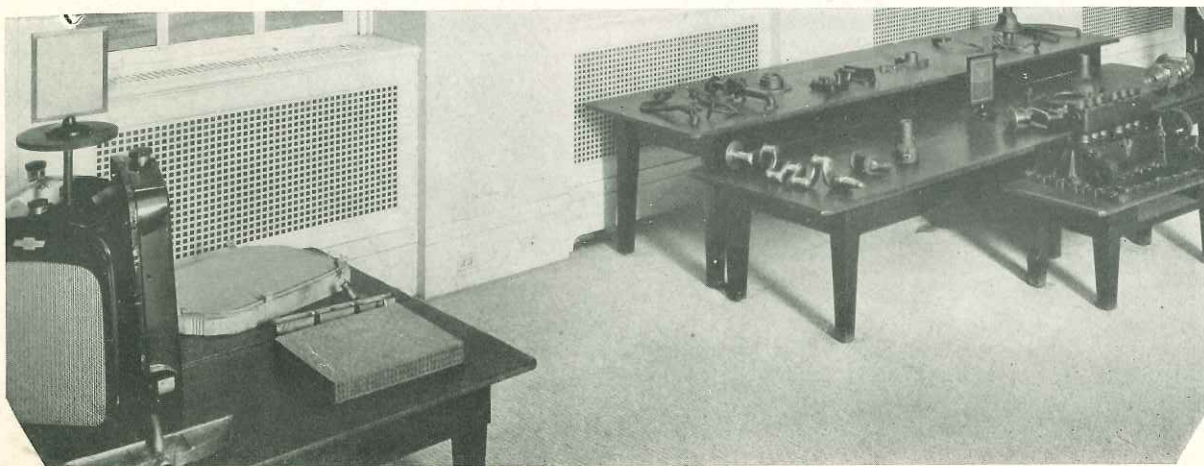
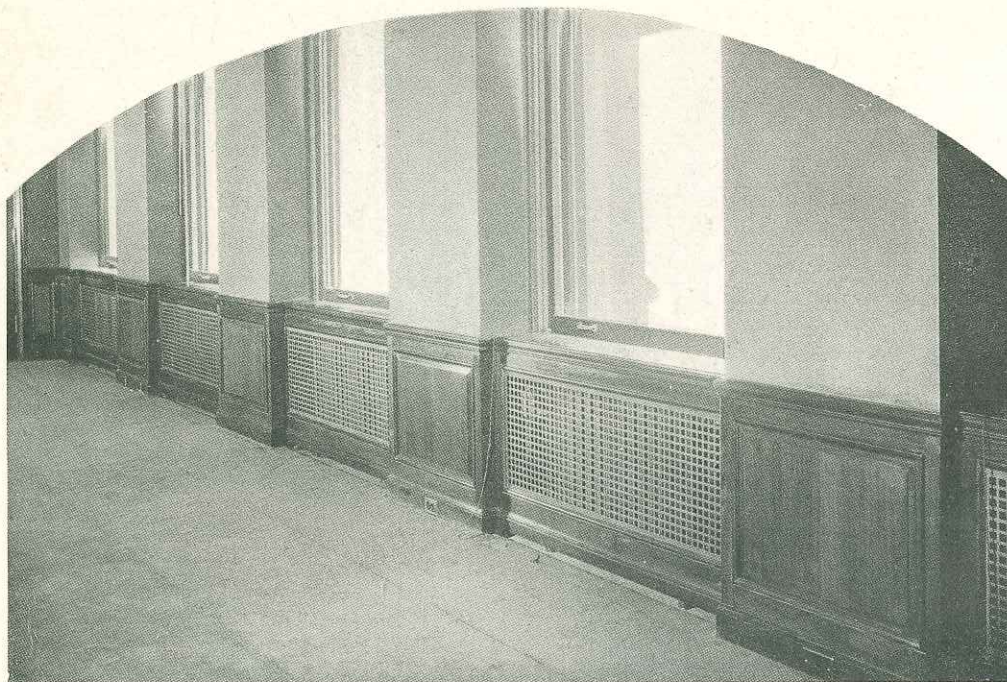
Actual Size, Style I, 40% open.
Clover Leaf and Round Design.



Style I, 40% open.



Actual Size, Style E, 52% open.
Diamond Design.



GENERAL MOTORS B

*Fifteen stories high and covering
this building is the largest*

HARRINGTON

Grilles of Perforated Metal

*Installed throughout the building
by The Acme Wire and*



S BUILDING, DETROIT

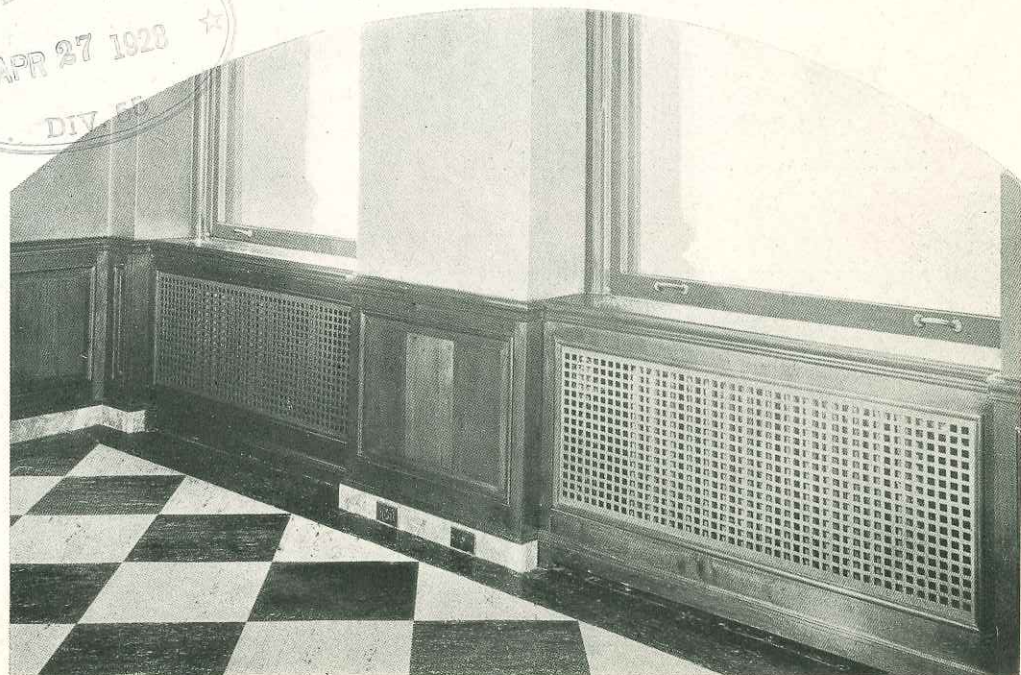
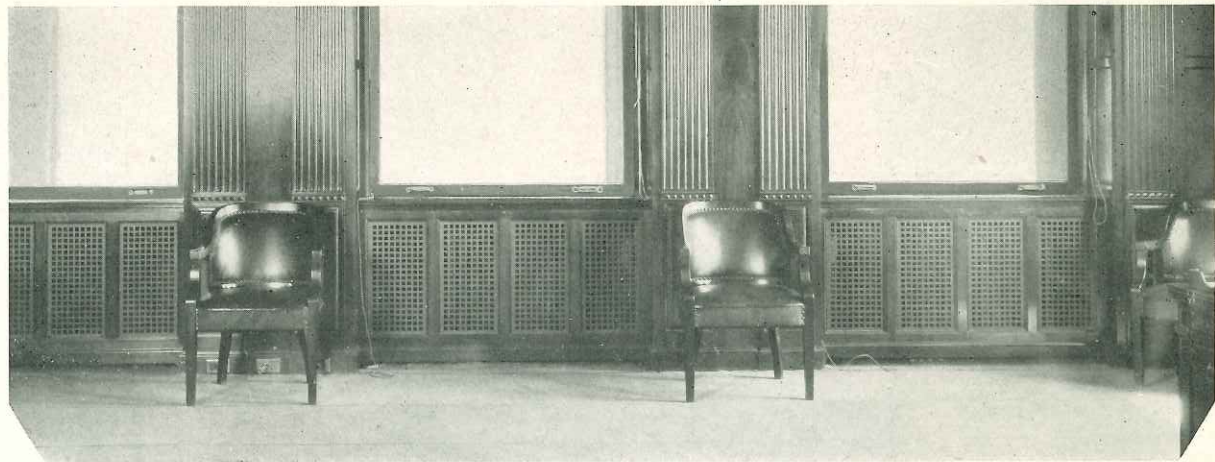
*and covering an entire city block,
largest of its kind in the world*

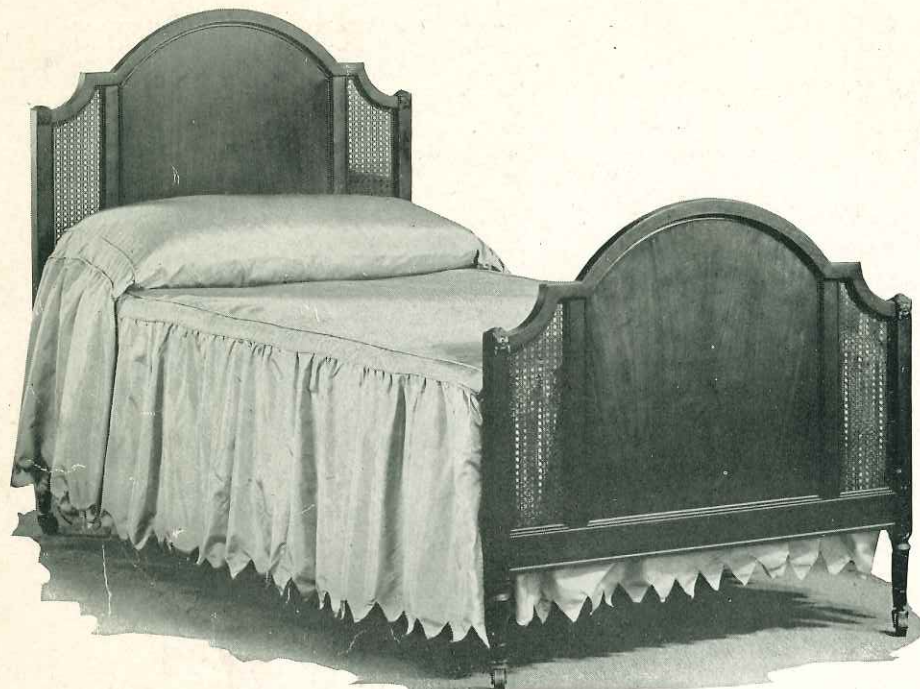
TON & KING

Perforated Metal

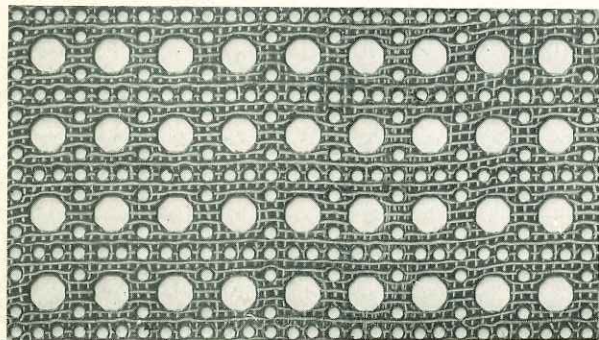
out the entire building

re and Iron Works, Detroit





Metal Bed with Metal Cane Panels.

 $\frac{5}{8}$ Actual Size Metal Cane. Finished in enamel.
Imitation cane.

Style P Metal Cane.

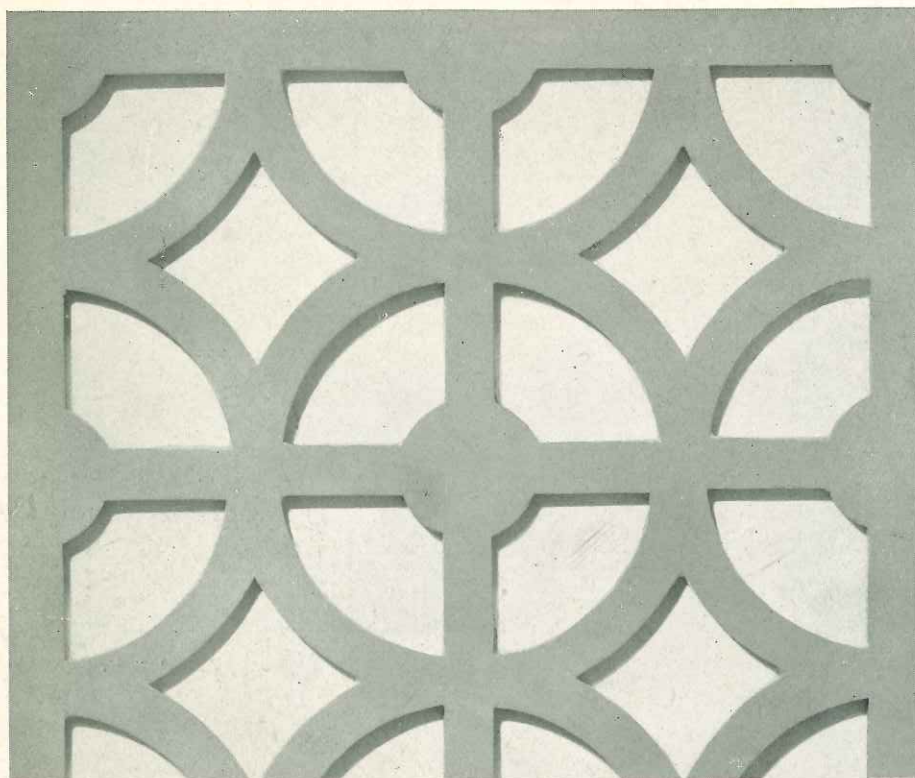
This design is being extensively used for covering radiators. It is also used in wood and metal furniture, replacing the woven cane which quickly rots and splits.

Metal Cane will take any finish and will last forever.

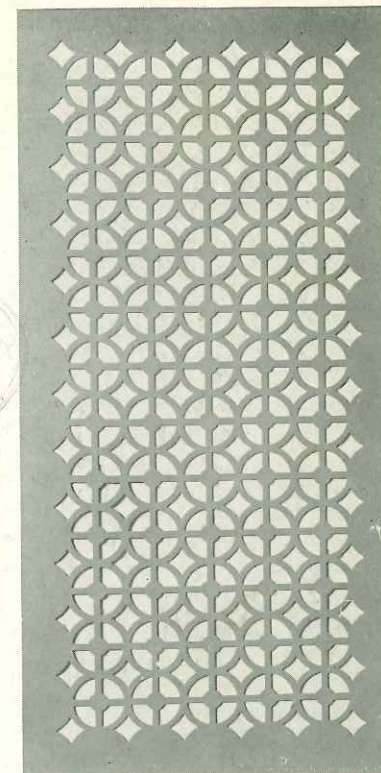
We can furnish it in sheets of any metal. Steel sheets are standard in No. 26 to No. 18, U. S. S. G., in any size up to and including 36"x120".



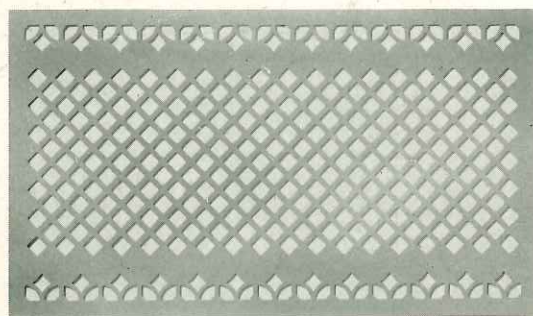
"Consola" Cabinet of Metal Cane.



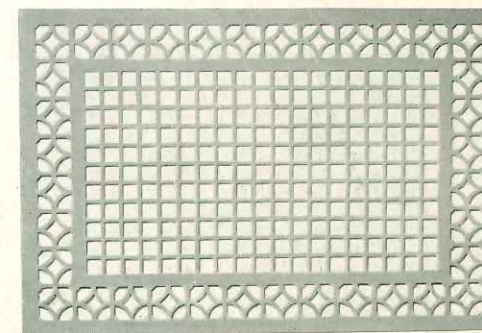
Actual Size, Style M, 50% open.



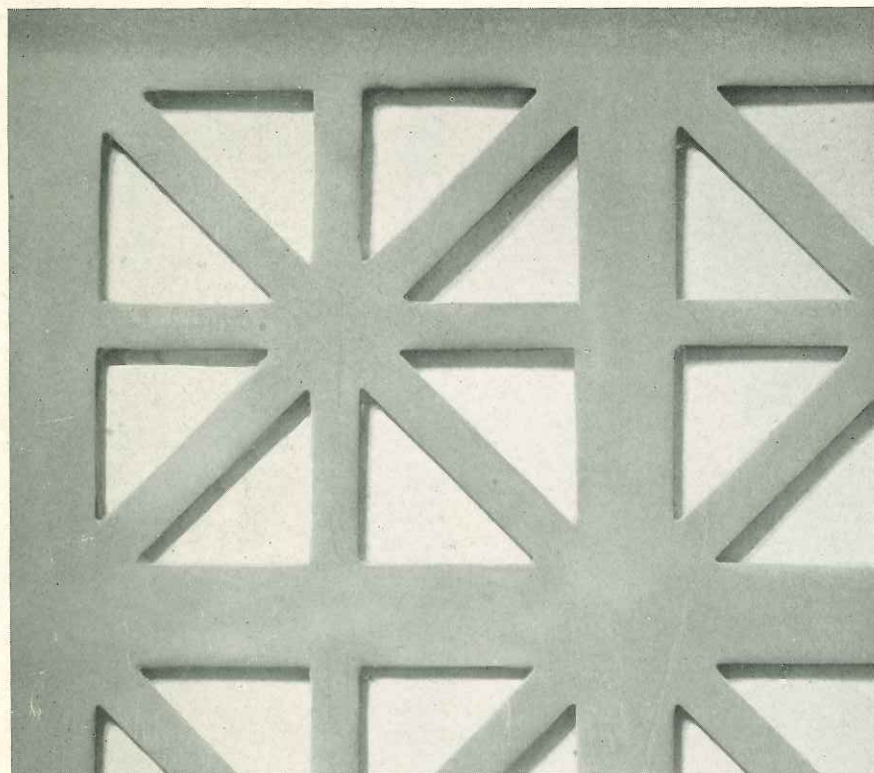
Style M, 50% open.



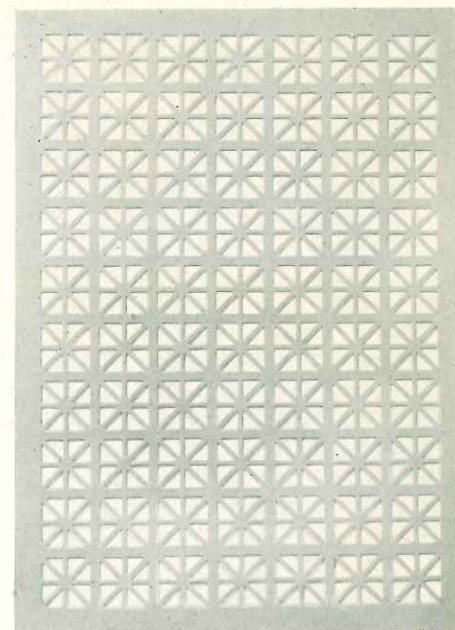
Style M2D, 45% open.



Style MK, 55% open.

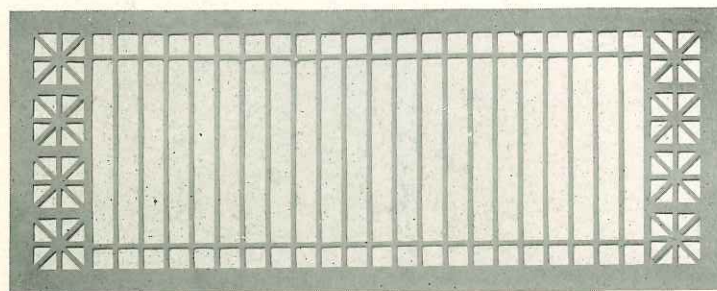


Actual Size, Style L, 39% open.
Union Jack Design, large size.

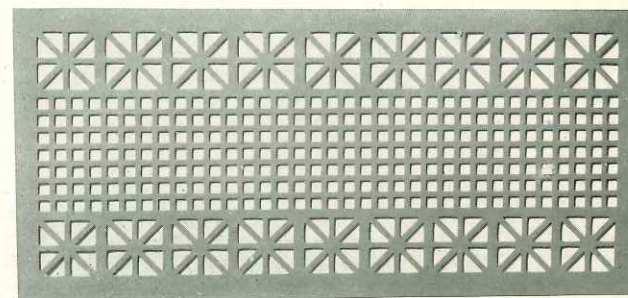


Style M, 39% open.

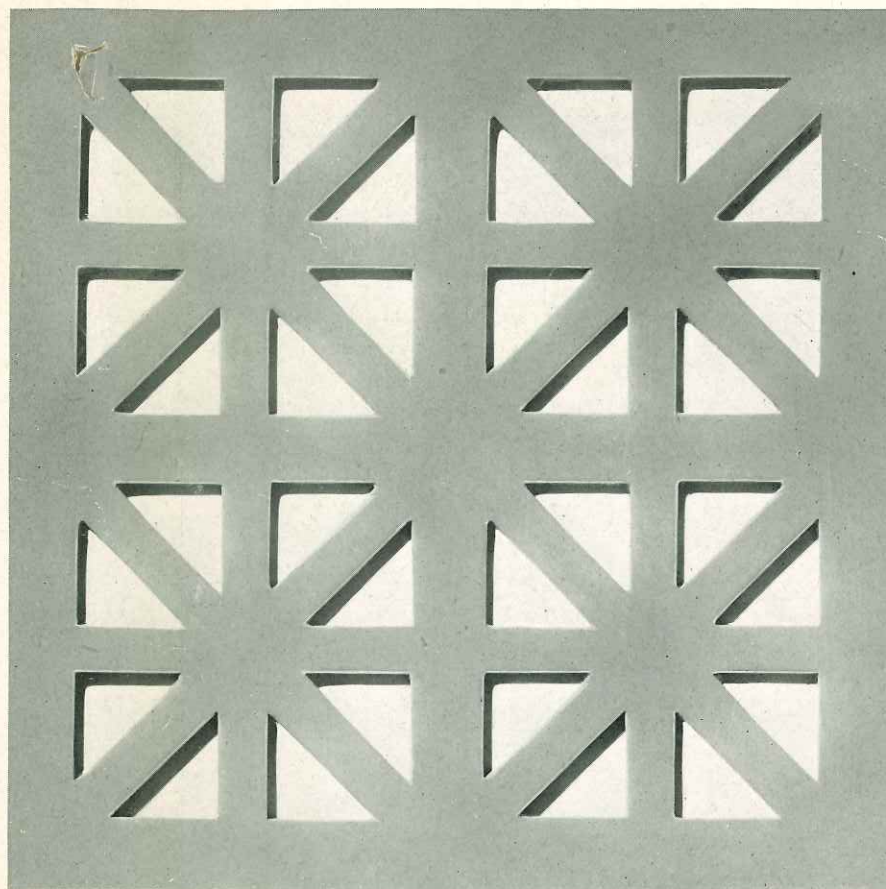
L



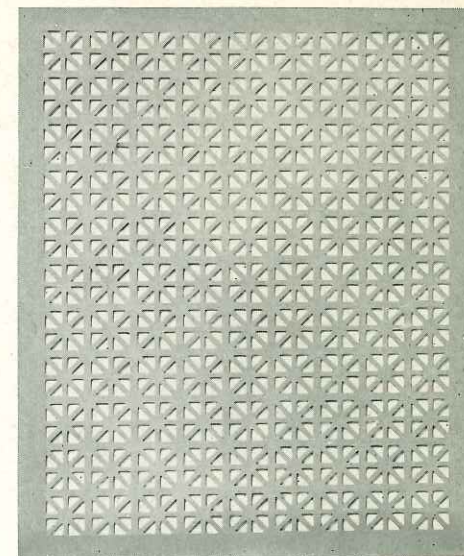
Style LT, 71% open.



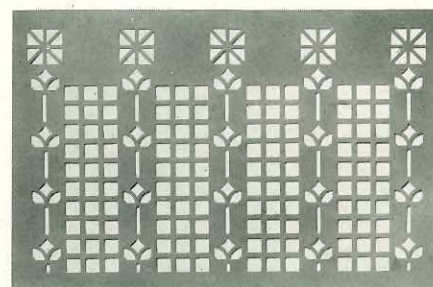
Style LK, 45% open.



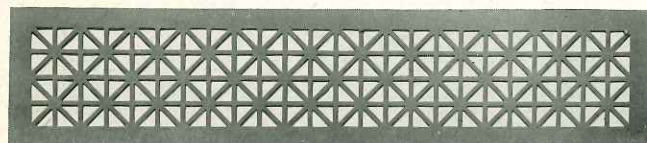
Actual Size, Style L2, 28% open.
Union Jack Design, small size.



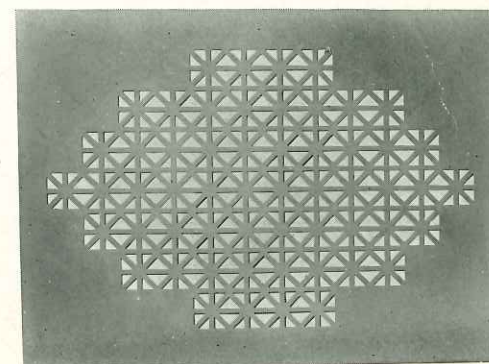
Style L2, 28% open.



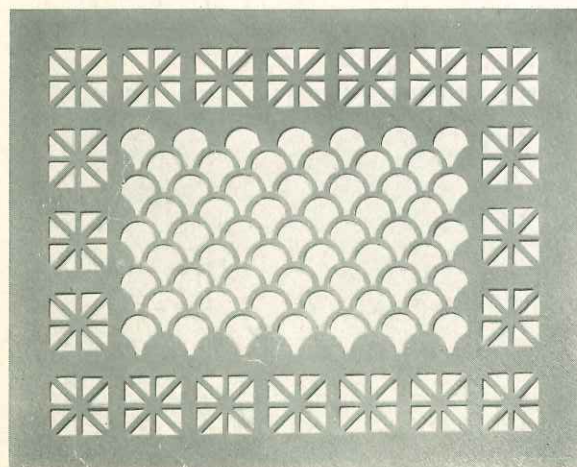
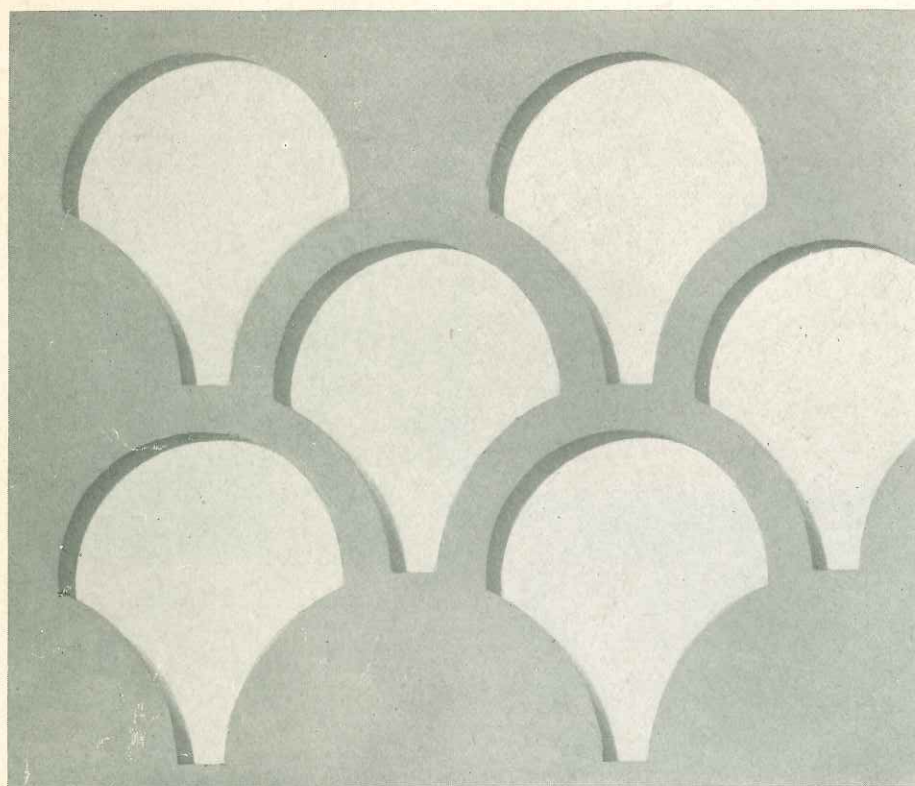
Design No. 54.



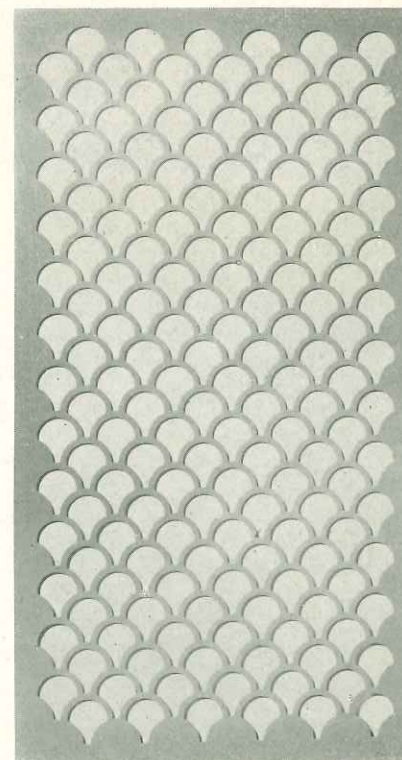
Style LX, 45% open.



Design No. 57



Style LJ, 55% open.



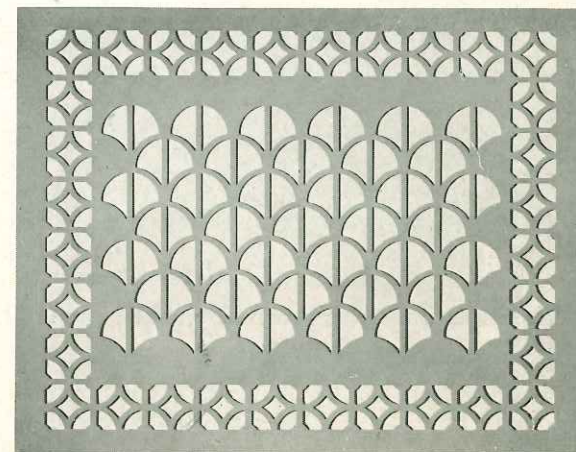
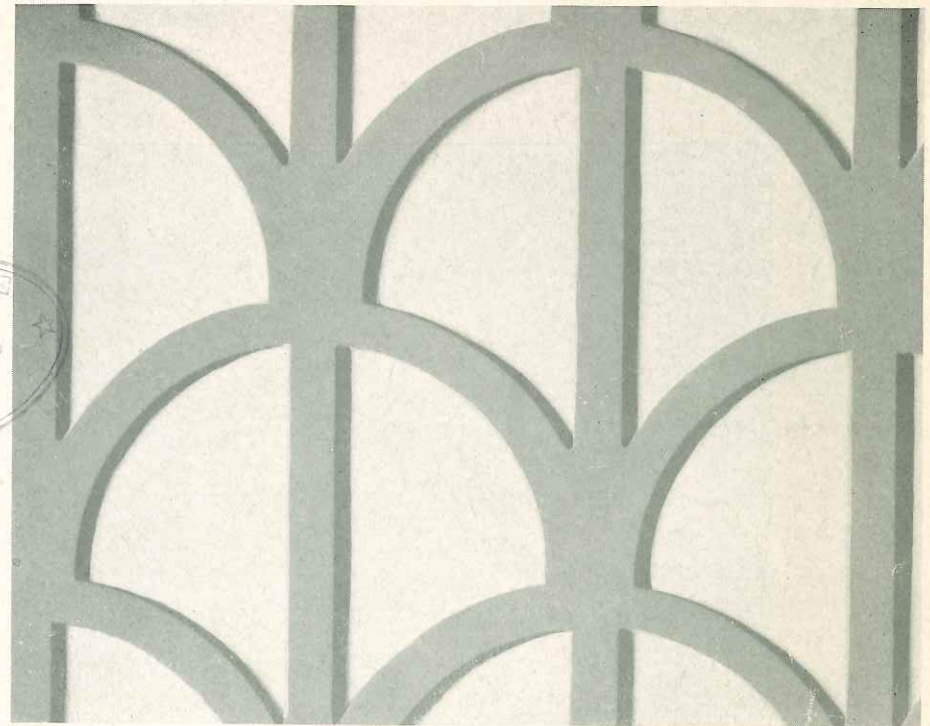
Style J, 65% open.

This design is sometimes called the Fish Scale Design. Is very popular and can be furnished in heavier metal than the more intricate designs.

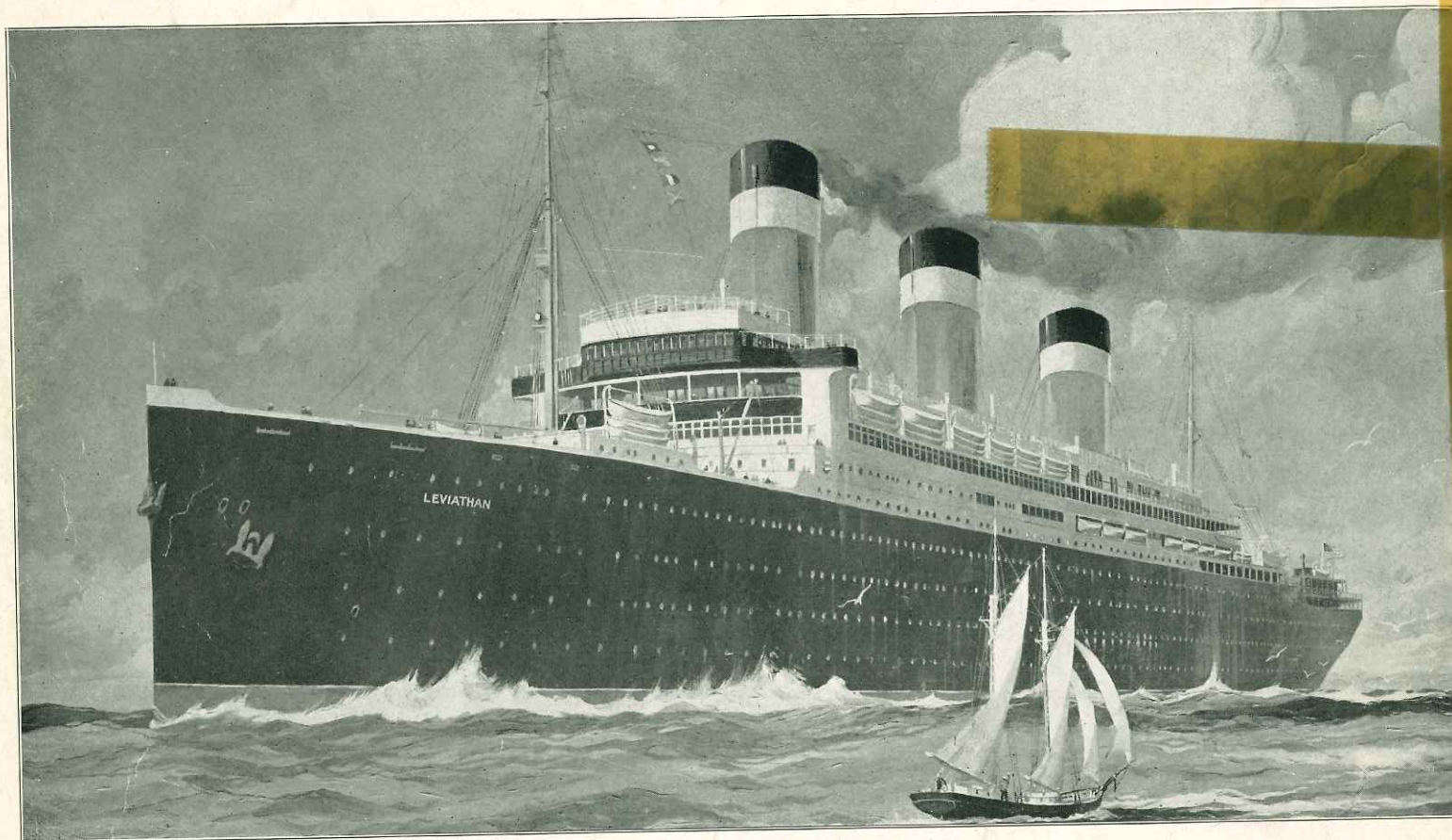


Style Q, 65% open.

This design, originally made up for a large church installation, is very attractive and lends itself easily to combinations with other figures.



Style MQ, 60% open.



Leviathan — The World's Largest and Fastest Steamship.

When this boat was reconditioned in preparation for service for the U. S. Shipping Board, grilles of perforated metal were used throughout the ship.